

L 47058-66 EWT(1)

ACC NR: AT6014863

SOURCE CODE: UR/3125/65/003/000/0071/0118

AUTHOR: Norkin, S. B.

19  
B+1

ORG: none

TITLE: Oscillations of a system with automatically controlled delay

SOURCE: Moscow. Universitet druzhby narodov. Seminar po teorii differenttsial'nykh uravneniy s otklyonyayushchimisya argumentom. Trudy, v. 3, 1965, 71-118

TOPIC TAGS: harmonic oscillation, periodic motion, oscillating system

ABSTRACT: Controlled delay is, for the purposes of this article, defined as one which depends in some way on the zero distribution of the sought function. A standard delay is defined and designated as a signum-type dependence for specific conditions. The periodic motion of the system with this specific delay is then treated. After the statement of an auxiliary linear equation, a weakly nonlinear case, and then a strongly nonlinear case are discussed in detail. Treatment of the phase plane  $(x, x')$  leads to the definition of stable parametric limit cycles, and trajectories in the  $(x, x')$  plane corresponding to these cycles are discussed making use of the Konig theorem. Orig. art. has: 149 formulas.

SUB CODE: 12, 20/ SUBM DATE: --Mar63/ ORIG REF: 015

Card 1/1

WT(d) TTP(c)  
ACC NR: AR6016611

SOURCE CODE: UR/0044/65/000/012/B049/B049

29B

AUTHOR: Norkin, S. B.

TITLE: Application of the method of moments for computing eigenvalues and eigenfunctions of certain boundary value problems with delay

SOURCE: Ref. zh. Matematika, Abs. 12B264

REF SOURCE: Sb. Tr. Seminara po teorii differents. uravn. s otklon. argumentom. T. 3. M., 1965, 233-238

TOPIC TAGS: boundary value problem, eigenvalue

ABSTRACT: The author shows the possibility of using the method of moments, described in the monograph of Yu. V. Vorob'yev (RZhMat, 1962, 2B297), for computing the eigenvalues and eigenfunctions of the boundary value problem

$$x''(t) + \lambda x(t) + M(t)x(t - \Delta(t)) = 0, \quad (1)$$

$$x(0) = x(\pi) = 0; x(t - \Delta(t)) = 0, t - \Delta(t) < 0,$$

and also of the boundary value problem

$$x''(t) + \lambda x(t) + M(t)x(t - \Delta(t)) = 0, \quad (2)$$

$$x(0) = x(\pi) = 0; x(\tau) = 0, \tau < 0$$

V. Petukhov [Translation of abstract]

SUB CODE: 12

Card 1/1 hs

UDC: 517.949.2

NORKIN, V. V.

NORKIN, V. V. -- "Investigation of the Process of Electro-Separation of  
Fine Grades of Manganese Ores in the Electrical Field of Corona Discharge."  
Min Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin. Chair  
of Dressing of Useful Minerals. Moscow, 1955. (Dissertation for the  
Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

OLOFINSKIY, N.F., kand.tekhn.nauk; NORIKIN, V.V., kand.tekhn.nauk

New development in the use of magnetic and electric separation in  
dressing low-grade manganese concentrates and ores. Trudy Inst.gor.  
dela 6:85-98 '60. (MIRA 14:4)

(Manganese-Metallurgy)

PLAKSIN, I.N.; KARMAZIN, V.I.; OLOFINSKIY, N.F.; NORKIN, V.V.;  
KARMAZIN, V.V.; MAKARENKO, M.G., red.

[New trends in the concentration of disseminated iron ores]  
Novye napravleniya glubokogo obogashcheniya tonkovkraplen-  
nykh zheleznykh rud. Moskva, Izd-vo "Nauka," 1964. 202 p.  
(MIRA 17:4)

IZRAITEL', S.A., otv. red.; SKURAT, V.K., otv. red.; ZUBAREV, S.N., otv. red.; MOISEYEV, S.L., otv. red.; ASTAF'YEVA, A.V., kand. tekhn. nauk, red.; VAS'KOVSKIY, Ye.L., red.; VISHNEVSKIY, Ye.L., red.; KRIVTSOV, B.S., red.; KOROTKIN, I.N., red.; MITROFANOV, S.I., doktor tekhn. nauk, red.; NORKIN, V.V., kand. tekhn. nauk, red.; NIKITIN, A.A., red.; RUDNEV, A.P., red.; SLASTUNOV, V.G., red.; TKACHEV, F.A., red.; RAUKHVARGER, Ye.L., kand. tekhn. nauk, red.; FEOKTISTOV, A.T.[deceased], red.; ZAYTSEV, A.P., red.

[Safety regulations for the dressing and sintering of ferrous and nonferrous metal ores] Pravila bezopasnosti pri obogashchenii i aglomeratsii rud tsvetnykh i chernykh metallov. Moskva, Nedra, 1964. 106 p. (MIRA 18:4)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniyem v promyshlennosti i gornomu nadzoru.

ZINOV'YEV, V.; NORKIN, Ya.

Practices for improving the qualifications of engineers and technicians.  
Avt.transp. 39 no.6:50 Je '61. (MIRA 14:7)  
(Highway transport workers—Education and training)

NORKIN, Yakov Abramovich, inzh.; BOZHDAEV, Ivan Nikolayevich, inzh.;  
PODOL'SKIY, Viktor Il'ich, inzh.; PONOMARENKO, Vasiliy  
Timofeyevich, inzh.; PRONOVA, Konstantin Konstantinovich, inzh.;  
REMPEL', Aron Iosifovich, inzh.; UGLINSKIY, Anatoliy Yakovlevich,  
inzh.; KHITROVA, N.A., tekhn. red.

[Repair of diesel locomotives] Remont teplovozov. [By] IA.A.Norkin  
i dr. Moskva, Transzheldorizdat, 1962. 300 p. (MIRA 15:12)  
(Diesel locomotives—Maintenance and repair)

REMPEL', A.I., inzh.; NORKIN, Ya.A., inzh.

New techniques in the regulation of the connecting rod and  
piston group of the 2D100 diesel. Elek. i tepl. tsiaga no.5:  
14-16 My '63. (MIRA 16:8)

1. Tashkentskoye proyektno-konstruktorskoye byuro Glavnogo  
upravleniya po remontu podvizhnogo sostava i izgotovleniyu  
zaspasnykh chastej Ministerstva putey soobshcheniya.  
(Diesel locomotives)

L 09099-67 EWT(m)/EWP(t)/ETI/EWP(k) JD  
ACC NR: AP7002329

SOURCE CODE: UR/0422/66/000/006/0044/0045

Marants, A.G., Borovyanchenko, L.D., Norkina, A.S.

35

"New Standards - Products for Pouring Steel From the Ladle"

Moscow, Standardy i Kachestvo, No. 6, June 66, pp 44-45

Abstract: The All-Union Institute of Refractories has developed and the Committee on Standards has approved State All-Union Standard (GOST) 5500-64 on refractory stopper materials. The new standard has replaced GOST 5500-50 and 4978-49 in the stopper tube section. It covers refractory and highly refractory products for pouring steel from the ladle: stopper tubes, plugs, molds, mold covers and pit bricks. The number of standard dimensions was reduced for stopper tubes from 15 to 8, for molds from 31 to 20, for covers from 3 to 2. For pit brick the number of standard dimensions increased from 3 to 12, since component brick has been introduced for the most widely used mold types (160 and 210 mm diameter). Large size ladles are to use thicker stopper tubes and 200 mm diameter plugs which will protect the pin from overheating; a plug with a lengthened spherical portion is also called for. For chamotte stopper tubes the content of  $\text{Al}_2\text{O}_3$  plus  $\text{TiO}_2$  is set at 33% for all enterprises. For chamotte plugs, special, this norm is set at no less than 39%, which corresponds to the requirements for heat resistance. The temperature at which chamotte semi-dry produced plugs may start to deform under load according to the new standard...

Card 1/2

0925 0607

L 09099-67

ACC NR: AP7002329

is 1320° C for general purpose and 1350° C for special purpose plugs. This will provide for normal operating conditions of the plug device. The compressive strength for chamotte pit brick is increased from 100 to 125 kg/cm<sup>2</sup>. The expansion of the assortment of plug products, improvement of their jointing, wide introduction of the semi-dry method of production of aluminosilicate products and stiffening of requirements as to certain physical and chemical indices allow an improvement of the quality of plug supplies and a considerable increase in the reliability of the plug structure. /JPKS: 37,480/

ORG: none

TOPIC TAGS: refractory, aluminum oxide

SUB CODE: 11 / SUBM DATE: none

Card 2/2 net

L 44401-66 ENT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6023640

SOURCE CODE: UR/0149/66/000/002/0129/0134

AUTHOR: Zubov, V. Ya.; Grachev, S. V.; Kirillov, Yu. L.; Spiridonova, L. M.; Norkina,  
E. B.

ORG: Department of Metallurgy, Ural Polytechnic Institute (Kafedra metallovedeniya  
Ural'skiy politekhnicheskiy institut)

TITLE: Study of mechanical properties and relaxation stability of Cu-Ti alloys

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 2, 1966, 129-134

TOPIC TAGS: copper containing alloy, titanium containing alloy, chromium containing  
alloy, mechanical property, tensile strength, elastic modulus, stress relaxation, tem-  
perature dependence

ABSTRACT: The effect of certain factors of stress relaxation and other mechanical pro-  
perties of five Cu-Ti alloys was studied. The alloys had Ti contents ranging from 1.10  
to 5.50%; two of the alloys had Cr contents of 0.52 and 1.00%. After vacuum melting  
and remelting, 60 kg ingots were reduced to strip (6 mm wide by 0.4 and 0.25 mm thick)  
which was heated to 860°C for 1 hr, quenched into water and cold worked 20, 40, 60 and  
80%. Aging was carried out at 300, 350, 400, 450 and 500°C for 1 to 5 hrs. The best  
strengths were obtained by aging at optimal temperatures for 2 hrs. Tensile strengths  
and relative elongations are given as functions of aging temperature for all alloys in

UDC: 669.35:295:669.018.2

Card 1/2

USSR / Soil Science. Soil Genesis and Geography. J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6042.

Author : Norkina, I.

Inst : Moscow Agric. Acad. im. K. A. Timiryazev.

Title : A Soil-Agrochemical Map of a Kolkhoz (In Tul'-skaya Oblast').

Orig Pub: Sb. stud. nauchno-issled. rabot Mosk. s.-kh. akad. i., K. A. Timiryazeva, 1957 (1958), vyp. 7, 256-260.

Abstract: No abstract.

Card 1/1

12

VOLGIN, B.P.; ZHIVAYKIN, L. Ya.; NORKINA, L.A.

Absorption of gases in multistage units from Venturi scrubbers.  
Izv. vys. ucheb.zav., khim. i khim. tekhn. 7 no.5:852-854 '64  
(MIRA 18:1)

l. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova i  
Ural'skiy nauchno-issledovatel'skiy institut khimii.

NORKINA, L.A.; VOLGIN, B.P.; BEREZINA, L.D.

Absorption of gases in a multistage apparatus built with  
Venturi scrubbers. Izv. vys. ucheb. zav.; khim. i knim.  
tekhn. 7 no.4:669-674 '64.

(MIRA 17:12)

1. Kafedra mashin i apparatov khimicheskikh proizvodstv Ural'skogo  
politekhnicheskogo instituta im. S.M. Kirova.

NORKINA, L. N.

NORKINA, L. N. "On the comparative characteristics of conditioned motor reflexes of monkeys and dogs", Trudy Sukhum. biol. stantsii Akad. med. nauk SSSR, Vol. I, 1949, p. 147-61.

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh statey', No. 22, 1949).

NORKINA, L.N.

NORKINA, L.N.

Effect of supernormal irritants on the central nervous system  
of animals. Fiziol zh SSSR 36 no.5:524-529 Sept-Oct 50.  
(CLML 20:4)

1. The Sukhumi Medico-Biological Station of the Academy of  
Medical Sciences USSR.

WORKINA, L.N.

Chain motor conditioned reflexes in dogs and monkeys. Zh. vyshei  
nerv. deiat. Pavlova 1 no.3:436-445 May-June 1951. (CIML 23:2)

L. Laboratory of the Physiology of Higher Nervous Activity, Medico-  
Biological Station of the Academy of Medical Sciences USSR.

HONKINA, L.N.

Correlation of motor conditioned reflexes developing separately in  
monkeys. Zh. vyschef nerv. deiat. Pavlova 1 no.4:571-578 July-Aug  
1951.  
(CIML 23:2)

1. Laboratory of the Physiology of Higher Nervous Activity, Medico-Biological Station of the Academy of Medical Sciences USSR.

NORKINA, L.N.

Inhibition of complex motor conditioned reflexes in lower monkeys.  
Zh. vyschey nerv. deiat. 2 no. 1:97-103 Jan-Feb 1952. (CLML 23:3)

1. Sukhumi-Medical-Biological Station of the Academy of Medical  
Sciences USSR.

NORKINA, L.N.

Modification of signal significance of stimuli related to conditioned motor reflexes. Zh. vyshei nerv. dziat. 2 no.5:760-765 Sept-Oct 1952.  
(CIML 23:4)

1. Laboratory of the Physiology of Higher Nervous Activity of the Medical-Biological Station of the Academy of Medical Sciences USSR.

NORKINA, L.N.  
USSR/Medicine - Neurophysiology

FD-2374

Card 1/1 Pub 154-5/18

Author : Norkina, L. N.

Title : Changes in the motor activity of animals under the influence of inhibitory process.

Periodical : Zhur. vys. nerv. deyat., 5, 35-44, Jan/Feb 1955

Abstract : Results of experiments on dogs and monkeys and observations of all changes produced by motor conditioned reflexes point convincingly to their significance in the study of limitations of the so-called voluntary motor activity in higher animals. Justification for experiments with substituting one movement for another in the motor reflex chain lies in the fact that results may lead to determination of coordinating functions of the cortex. One diagram and two tables. Five Soviet references.

Institution: Medico-Biological Station, Academy of Medical Sciences USSR

Submitted : December 23, 1953

EXCERPTA MEDICA Sec.2 Vol.10/3 Phy.Biochm. Aug 57

3469 NORKINA L.N. \* Dynamics of the process of differentiation  
of conditioned motor reflexes (Russian text) Z.VÝŠC.NERV.  
DEJATEL. 1956, 6/5 (710-717) Graphs 6

On 4 young adult baboons, able to move freely in a test cage from a lever to a feeding box (1.5 m.), access to food was made possible by moving the lever up, in response to a loud and soft ringing of a bell, with a middle intensity developed into a negative signal. On a background of good performance on the above signals, a buzzer was introduced as a signal to move the lever down. This differentiation of 'opposite' conditioned movement failed: the animals responded to both bell and buzzer by moving the lever up or down without any order. Replacement of the buzzer by a non-acoustic 'analyser' (red light) was somewhat more successful. Results were studied for the presence of 'pure inversions', 'mutual induction,' 'double inversions,' 'ultraparadoxical phases' etc. Kleitman - Chicago, Ill.

Lab. Physiol. & Pathophysiol Higher Nervous Activity  
Sukhumi Medico-Biol. Station, AMS USSR

NORKINA, L.N.

Producing experimental neurotic states in the lower primates. Zhur.  
vys.nerv.deiat. 8 no.1:56-63 Ja-F '58. (MIRA 11:3)

1. Mediko-biologicheskaya stantsiya AMN SSSR., Sukhumi.

(NEUROSES, experimental,

prod. in lower monkeys, conditioned reflex method (Rus)

(REFLEX, CONDITIONED,

prod. of exper. neuroses in lower monkeys (Rus)

NORKINA, L. N., Doc Bio Sci, "CONDITIONED MOTOR REFLEXES  
(IN EXPERIMENTS ON ~~monkeys~~ AND ~~monkeys~~ <sup>monkey</sup> ~~dogs~~ <sup>dogs</sup>)." LENINGRAD, 1961.  
(LENINGRAD ORDER OF LENIN STATE UNIV (W A. A. ZHDANOV).  
(KL, 2-61, 203).

-60-

NORKINA, L.N.

Comparative data from a repeated study of typological features  
of higher nervous activity in monkeys. Zhur.vys.nerv.deiat. 11  
no.3:444-449 My-Je '61. (MIRA 14:7)

1. Laboratory of Physiology and Pathology of Higher Nervous Activity,  
Institute of Experimental Pathology and Therapy, U.S.S.R. Academy of  
Medical Sciences, Sukhumi.  
(CONDITIONED RESPONSE)

NORKINA, L.N.

Food, defensive and orienting-investigative conditioned reflexes  
in lower monkeys. Zhur.vys.nerv.deiat. 14 no.6:992-998 N-D '64.  
(MIRA 18 6)

1. Laboratory of Physiology of Higher Nervous Activity, Institute  
of Experimental Pathology and Therapy, U.S.S.R. Academy of Medical  
Sciences, Sukhumi.

ACC NR: AP6034257 (N) SOURCE CODE: UR/0390/66/029/005/0527/0531

AUTHOR: Norkina, L. N.; Snegirev, Ye. A.

ORG: Laboratory of Physiology and Pathology of Higher Nervous Activity /Head-Prof. N. I. Lagutina/ Institute of Experimental Pathology and Therapy, AMN SSSR, Sukhumi (Laboratoriya fiziologii i patologii vyshey nervnoy deyatel'nosti Instituta eksperimental'noy patologii i terapii AMN SSSR)

TITLE: Effect of the cholinolytic substance N-methyl-4-hydroxypiperedyl-benzilate on biologically dissimilar motor conditioned reflexes in monkeys

SOURCE: Farmakologiya i toksikologiya, v. 29, no. 5, 1966, 527-531

TOPIC TAGS: drug effect, cholinolytic drug, ~~N-methyl-4-hydroxypiperedyl-benzilate~~, conditioned reflex, CNS, CNS effect, CEREBRAL CORTEX, BEWZENIE

ABSTRACT: Doses of 0.2—0.02 mg/kg N-methyl-4-hydroxypiperedyl benzilate inhibited the cerebral cortex and disrupted various reflexes in monkeys. It affected exploratory food-getting reflexes most and affected defense reflexes least. Orig. art. has: 2 figures.

[W.A. 50]

SUB CODE: 06/ SUBM DATE: 19Aug65/ ORIG REF: 008/ OTH REF: 003  
Card 1/1 UDC: 615.787-092:612.825.1

NORKINA, N.S.; PREDTECHENSKAYA, N.P.; ROZMYSLOVA, L.I.

Bacteriological characteristics of prepared foods according  
to materials of laboratory analyses for 1958-1960. Gig. i  
san. 28 no. 7:98 Jl '63. (MIRA 17:1)

1. Iz sanitarno-epidemiologicheskoy stantsii Moskovskogo  
rayona Leningrada.

5(2)

AUTHORS: Antipina, T.V., and Norkina, R.S. SOV/55-58-4-25/31  
TITLE: Catalytic Activity of Alumosilicates With a Small Percentage of Aluminum Oxide (Kataliticheskaya aktivnost' alyumosilikatov s malym protsentnym soderzhaniyem okisi alyuminiya)  
PERIODICAL: Vestnik Moskovskogo universiteta, Seriya matematika, moshchniki, astronomiia, fizika, khimiia, 1958, Nr 4, pp 197-204 (USSR)  
ABSTRACT: The authors investigated the catalytic activity of six different alumosilicate-catalysors with 12 and less percent  $\text{Al}_2\text{O}_3$  content. It is shown that the kinetics of dehydration of ethyl alcohol is described by the equation of A.V. Frost [Ref 7]; the change of the alcohol in ethylene is most intensive for a 5%  $\text{Al}_2\text{O}_3$  content of the catalyser. For a cracking of cumene the catalytic activity decreases monotonely with the  $\text{Al}_2\text{O}_3$  content. It is stated that the specific surface for 5%  $\text{Al}_2\text{O}_3$  and 55% silica gel is smaller

Card 1/2

Catalytic Activity of Alumosilicates With a  
Small Percentage of Aluminium Oxide

SOV/55-58-4-25/31

than for 3%  $\text{Al}_2\text{O}_3$  and 97% silicas gel. The authors thank  
Professor K.V. Topchiyeva for her assistance.  
There are 2 tables, 5 figures, and 11 references, 10 of which  
are Soviet, and 1 German.

ASSOCIATION: Laboratoriya kinetiki i kataliza (Laboratory of Kinetics and  
Catalysis)

SUBMITTED: July 3, 1957

Card 2/2

NORKINA, R.S.; SOKOLOV, S.I.; SHCHEGOLEVSKAYA, N.A.

Polymeric materials for the polarization-optical method of determining stresses. Part 4: Use of volume contraction and refraction in studying the reaction kinetics of cross-linked systems. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 7 no.4: 645-650 '64. (VINITI 17:12)

1. Kafedra fizicheskoy khimii Moskovskogo instituta khimicheskogo mashinostroyeniya.

NORKINA, R.S.; SOKOLOV, S.I.; SHCHEGOLEVSKAYA, N.A.

Polymeric materials for the optical polarization method of determining stresses. Part 5: Terminal stages of copolymerization in a bulk of unsaturated polyesters and vinyl monomers.  
Izv. vys. ucheb. zav., khim. i khim. tekhn. 7 no. 5t839-841 '64  
(MIRA 18:1)

1. Kafedra fizicheskoy khimii Moskovskogo instituta khimicheskogo mashinostroyeniya.

NORKINA, S.A.

Characteristics of the clinical aspects of peptic ulcer in children.  
Sov. med. 28 no.5:75-79 My '65. (MIRA 18:5)

1. 3-ya detskaya klinicheskaya bol'nitsa (glavnyy vrach Volkova,  
nauchnyy rukovoditel' - dotsent T.A.Bogomaz), Dnepropetrovsk.

NORKINA, S.P., kandidat biologicheskikh nauk.

Search for efficient methods of drying cultures of Axotobacter.  
Trudy Vses. inst. sel'khoz. mikrobiol. 13:131-140 '53. (MIRA 8:1)  
(Axotobacter)

NORKINA S.P.

Several properties of silicate bacteria. S. P. Norkina  
and L. V. Pumpyanzhaya. *Doklady Akademii Nauk SSSR*, Vol. 81, No. 3, 27-31 (1950).  
Besides being able to release K from silicates, the bacteria  
are capable of fixing some N. I. S. Jofie

2

COUNTRY : USSR  
CATEGORY :  
ABS. JOUR. : RZhBiol., №. 3 1959, №. 10053  
AUTHOR : Konokotina, A. G., Norkina, S. P.  
INST. : The Leningrad Chemical-Pharmaceutical Institute  
TITLE : Experience in the Use of a Substitute Medium for  
Mold in the Production of Penicillin  
ORIG. PUB. : Sb. nauchn. tr. Leningr. khim.-farmatsevt. in-t.  
1957, 3, 26-29  
ABSTRACT : By replacing the nutrient medium a Penicillium film  
is capable of producing penicillin without any reduction  
in activity for 1-1.5 months; thereby, a partial  
germination of the spores is observed in the mold film.  
With substitution of the medium the period of  
accumulation of the maximum quantity of penicillin of  
the growing film is reduced in half compared with its  
accumulation in medium which has been seeded with  
spores. The method of medium substitution can

Card:

1/2

20

LAZAREV, N.M.; NORIKINA, S.P.; PERTSEVA, A.N.

Regulating microbiological processes in overturned sod on turf-Podzolic soils. Agrobiologija no.5:3-8 S-O '58. (MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii, g. Leningrad.  
(Soil micro-organisms) (Grasses)

NORKINA, S.P.; OREKHOVSKAYA, Ye.P.; RUGACHEVA, P.U.; YEL'KINA, G.A.;  
MASHUNOVA, G.N.

Development of Azotobacter in Chernozem soils. Trudy Vses. inst.  
sel'khoz. mikrobiol. no.14:49-62 '58. (MERA 15:4)  
(Karebalyanskiy District—Chernozem soils) (Azotobacter).

NORKINA, S.P., ROGACHEVA, P.U.

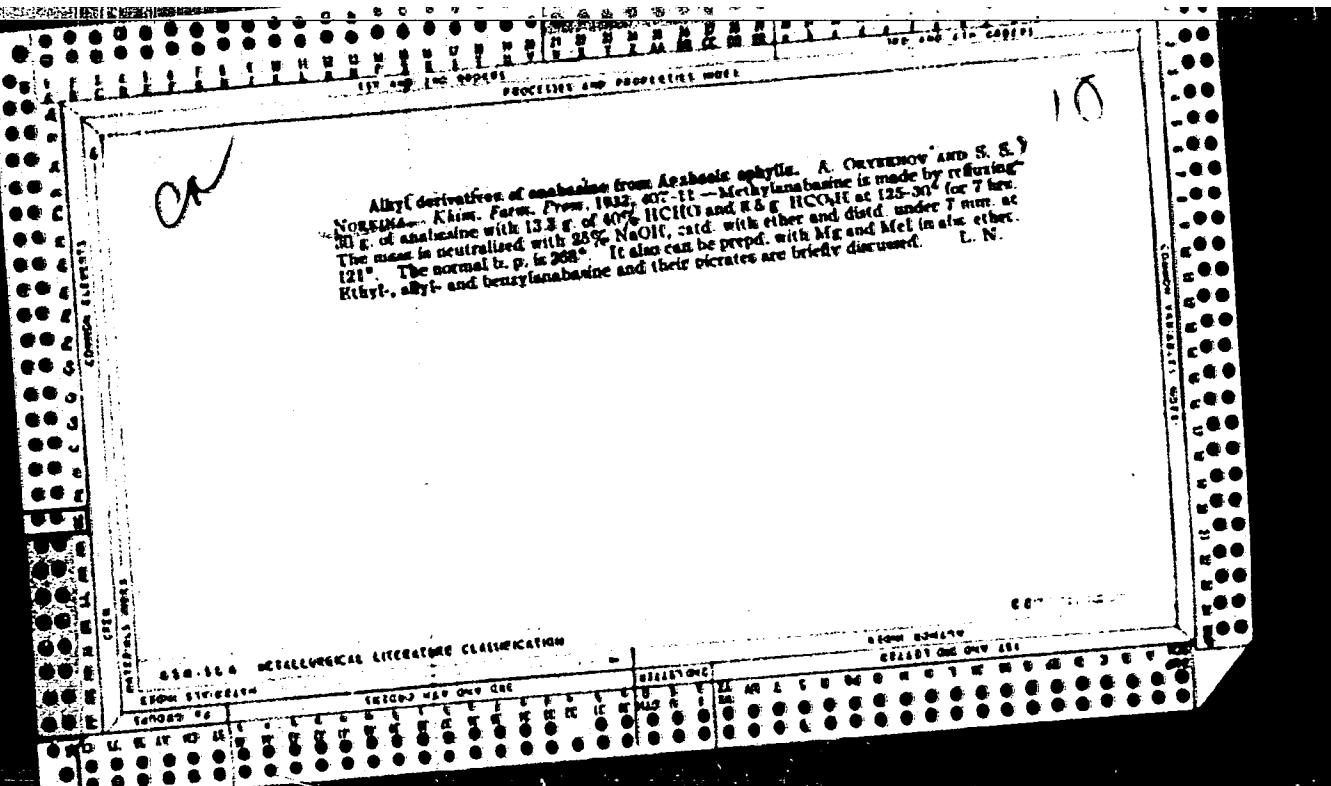
Effect of cultivation practices on microbiological processes in  
recently reclaimed virgin lands and old waste lands. Trudy Inst.  
mikrobiol. no.7:214-228 '60. (MIRA 14:4)

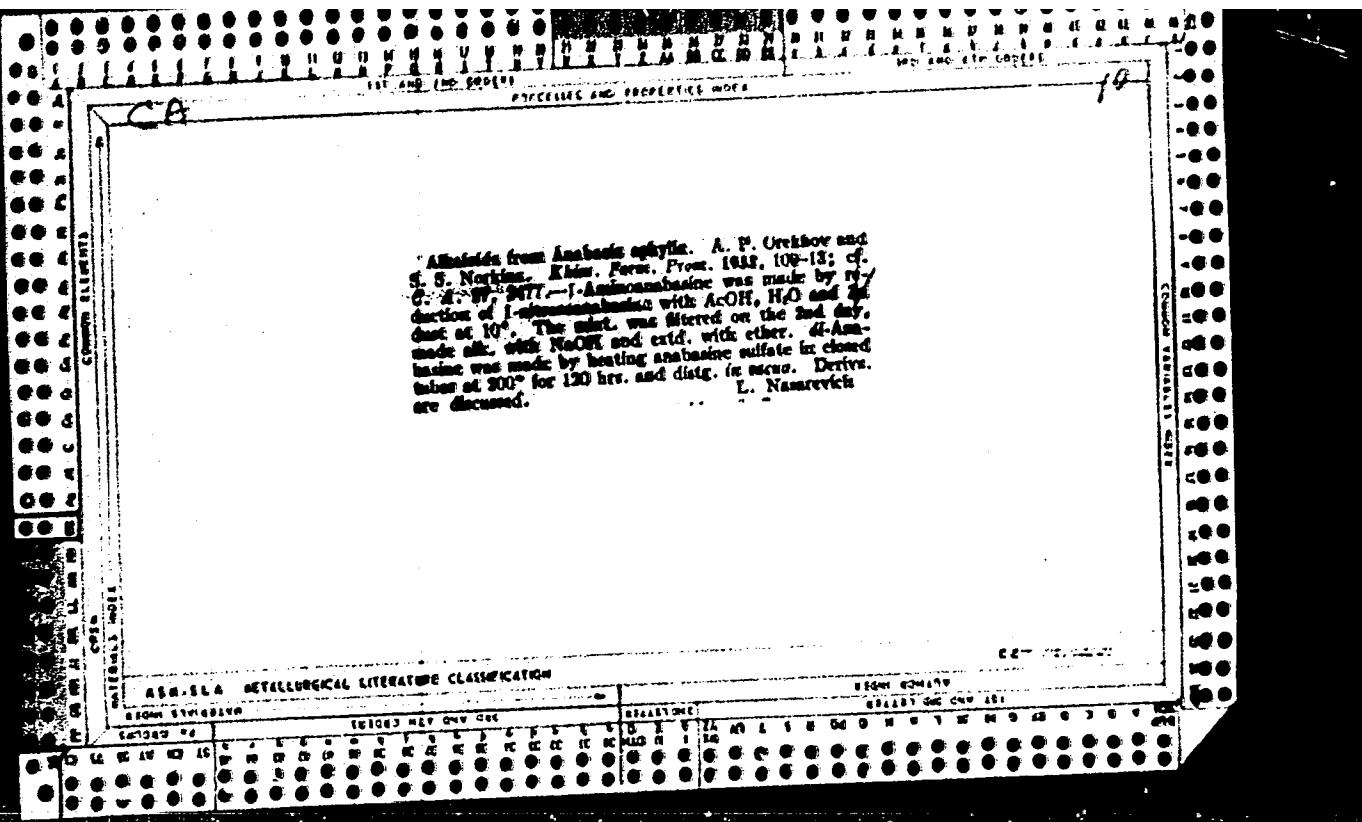
I. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyay-  
stvennoy mikrobiologii Vsesoyuznoy akademii sel'skokhozyaystvennykh  
nauk imeni Lenina.  
(SOIL MICRO-ORGANISMS) (TILLAGE)

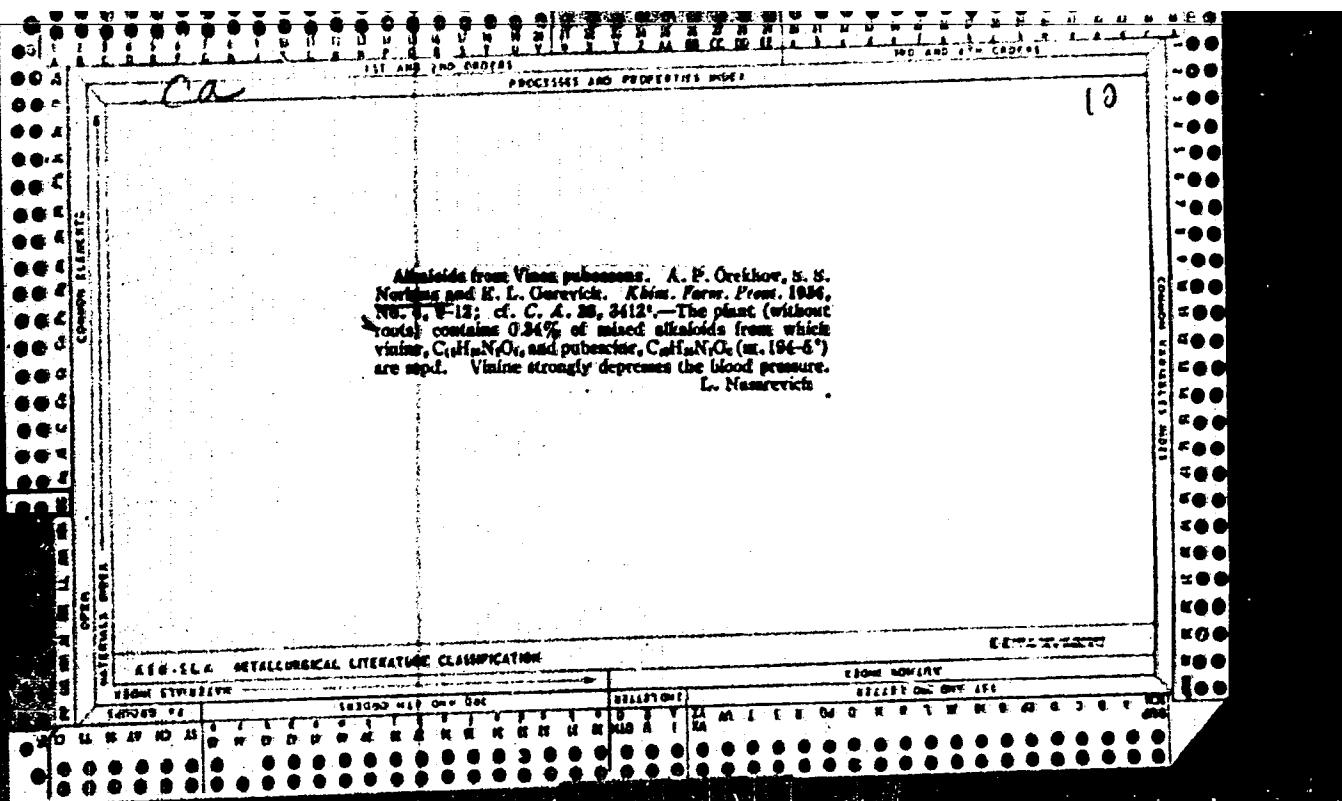
ARISTOVSKAYA, T.V.; VLADIMIRSKAYA, M.Ye.; GOLIERBAKH, M.M.; KATANSKAYA,  
F.A.; KASHKIN, P.N.; KLUPT, S.Ye.; LOZINA-LOZINSKIY, L.K.; MORKINA,  
S.P.; RUMYANTSEVA, V.M.; SELIBER, G.L., prof. [deceased]; SKALON, {  
I.S.; SKORODUMOVA, A.M.; KHETAGUROVA, F.V.; CHASTUKHIN, V.Ya.;  
PARSADANOVA, K.G., red.; GARINA, T.D., tekhn. red.

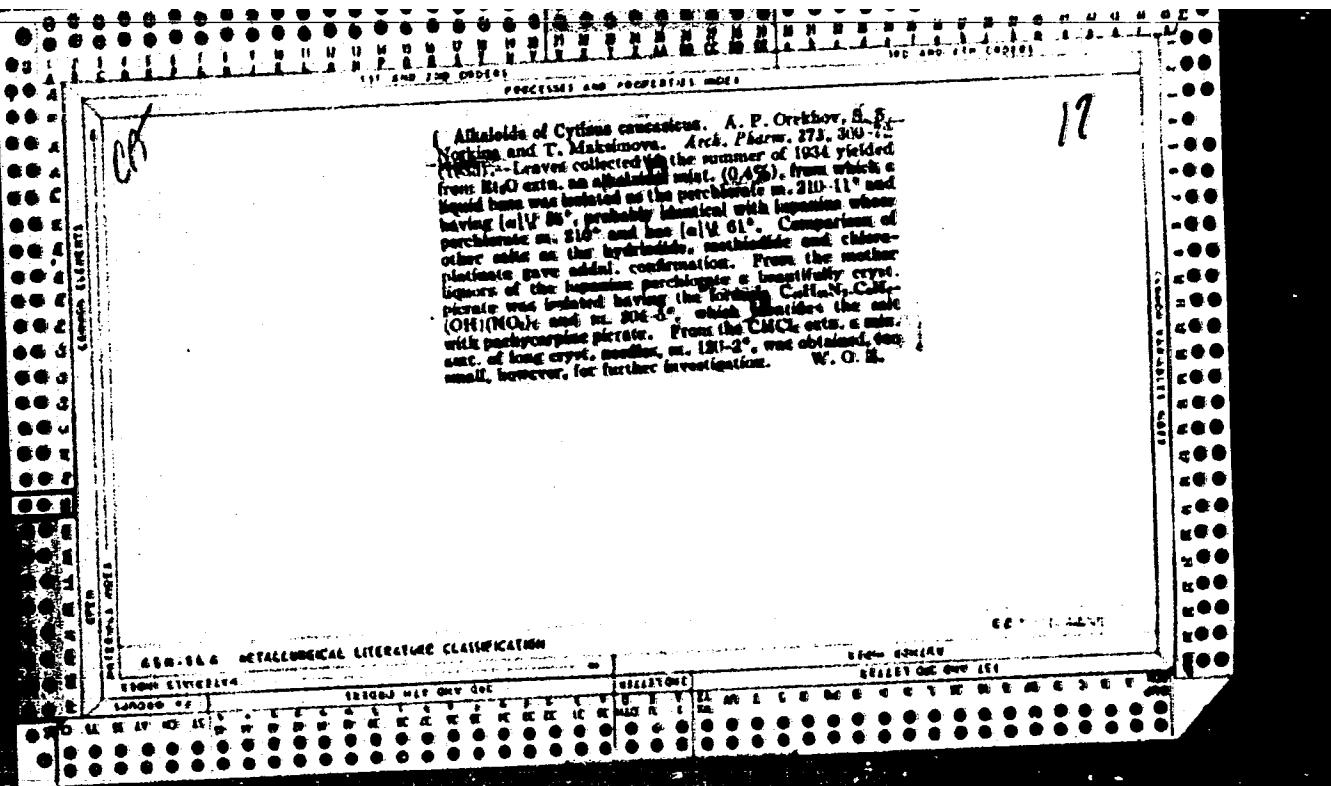
[Comprehensive laboratory manual on microbiology] Bol'shoi praktikum po mikrobiologii. [By] T.V. Aristovskaya i dr. Pod obshchei  
red. G.L. Selibera. Moskva, Vysshiaia shkola, 1962. 490 p.  
(MIRA 16:3)

(MICROBIOLOGY—LABORATORY MANUALS)

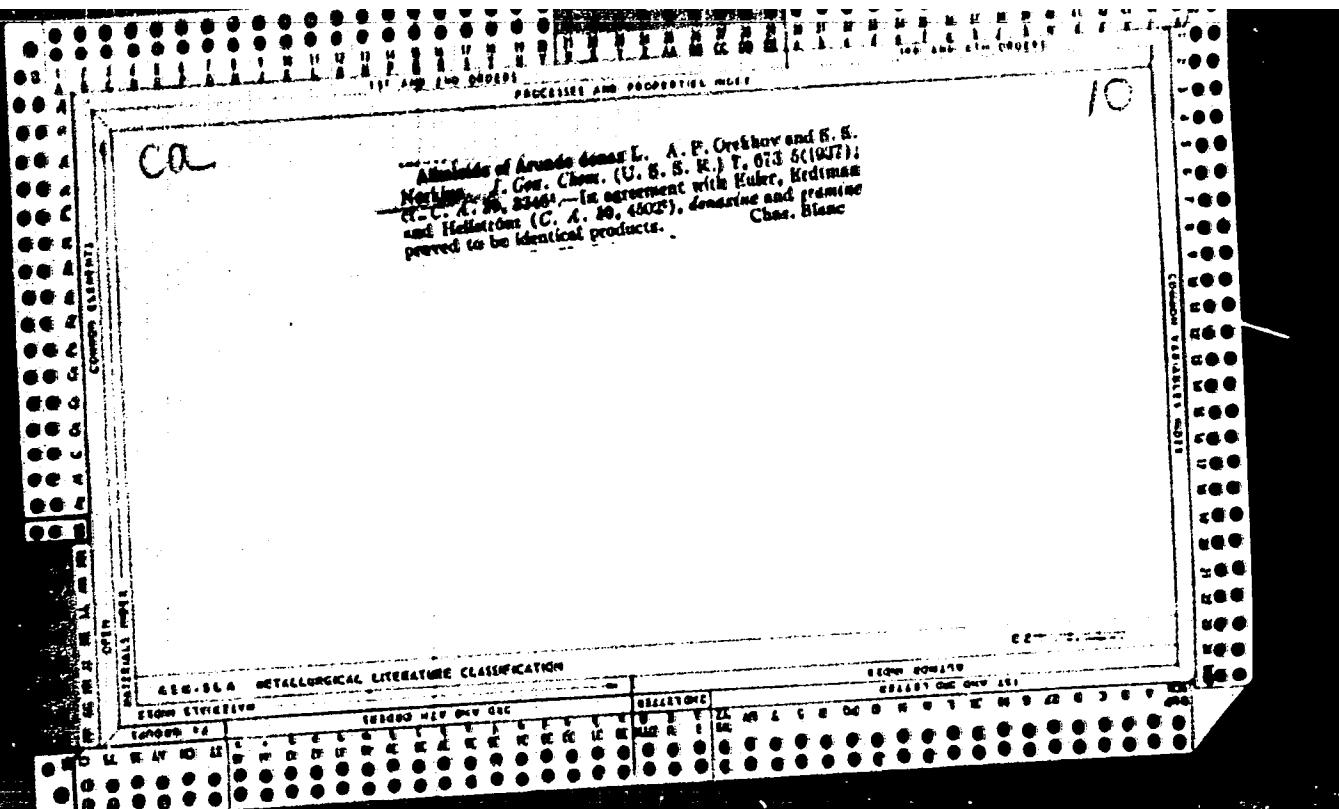








Alkaloids of *Cytisus cuneatus*. A. P. Orekhov, S. S. Vorkina and T. Makarova. *Arch. Pharm.* 273, 300-1 (1947).—Leaves collected in the summer of 1934 yielded from  $\text{Et}_2\text{O}$  extr. an alkaloidal mixt. (0.1%), from which a liquid base was isolated as the perchlorate m. 210-11° and having  $[\alpha]_D^{25} -55^\circ$ , probably identical with isopamine whose perchlorate m. 210° and has  $[\alpha]_D^{25} 61^\circ$ . Comparison of other salts on the hydriodic, methiodic and chloroiodate gave addnl. confirmation. From the mother liquor of the isopamine perchlorate a beautifully crystalline was isolated having the formula  $\text{C}_{18}\text{H}_{21}\text{NO}_3 \cdot \text{Ca}(\text{OH})(\text{NO}_2)_2$  and m. 204-5°, which coincides the salt with pentamethylpiperazine perchlorate. From the  $\text{CHCl}_3$  extr. a mixt. of long cryst. needles, m. 121-2°, was obtained, too, small, however, for further investigation. W. O. B.



AMERICAN POLYMER CORPORATION  
PRINCIPLES AND PRACTICES OF  
POLYMER TECHNOLOGY

100 AND 170 CENTS

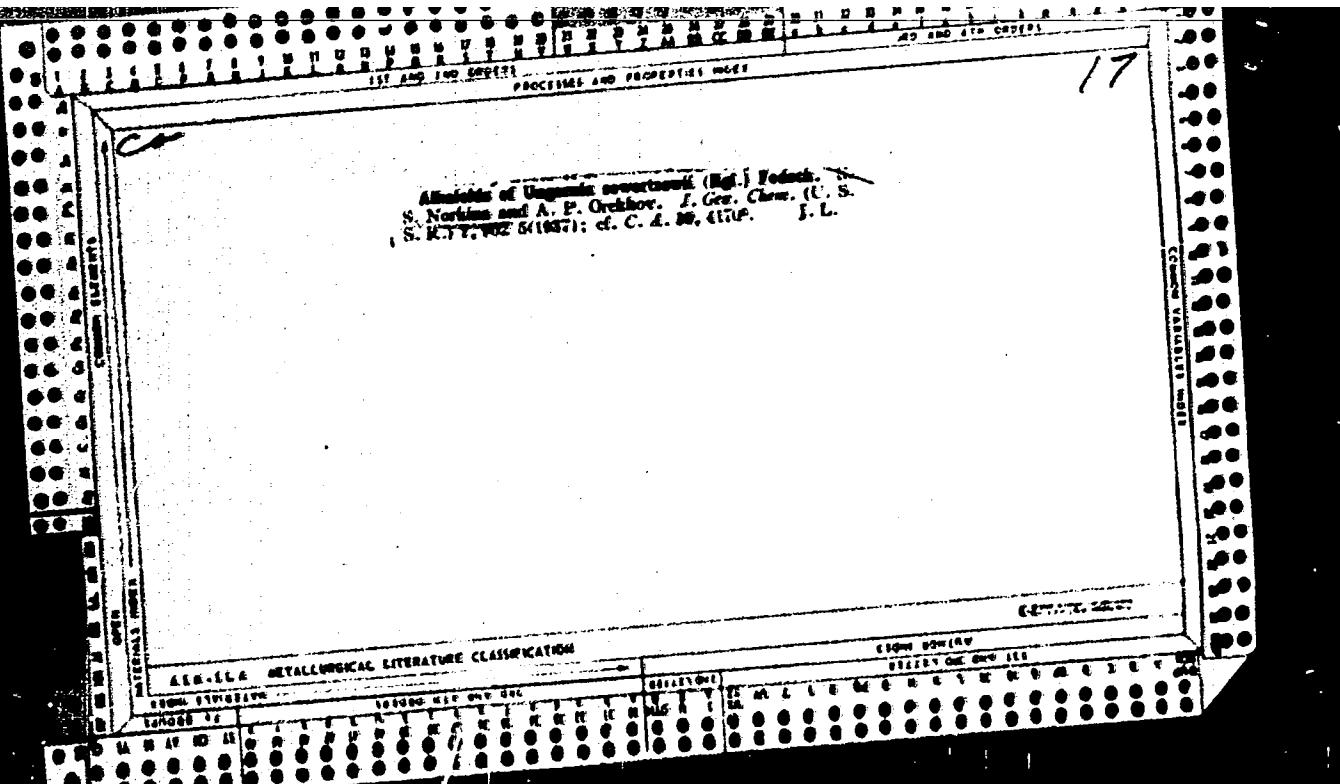
**Alkaloids of *Cytisus radicans*.** S. S. Norkina and A. P. Orekhov. *J. Gen. Chem. (U. S. S. R.)* 7, 833 (1937); cf. *C. A.* 32, 5087. Leaves collected in May and Aug. of 1928 yielded from  $\text{CH}_2\text{Cl}_2$  extract an alkaloidal mixt. (11.16% of the dry wt.), epnd. by functional distn. into I, II, III, up to 170° and (III), b.p. 210–220°. I in 2% HCl gives with acid,  $\text{NaClO}_4$ , salt, a perchlorate (III), prisms from alc., m. 172–4°; m. 205–6°. It is proved to be identical with *d*-leucine. III in HCl decomposes with loss of  $\text{NaOH}$  giving I, unstable oil, b.p., 161–1°; [ $\alpha$ ] $_D^{20} -6.6^\circ$ ; [ $\alpha$ ] $_D^{20} -15.44^\circ$  (in alc.). III gives a perchlorate (IV), which in the cold with 4% NaOH yields a thick oil, b.p. 210–12°, segm. by cooling into a crystall. form, m. 40°; [ $\alpha$ ] $_D^{20} +85.2^\circ$  (in alc.), and a liquid form, [ $\alpha$ ] $_D^{20} +54.6^\circ$  (in alc.), whose lowered rotating is probably due to partial racemization. Both forms give the same picrate, m. 190°, hydrochloride, m. 190°, and methiodide, m. 220–40°, and are probably identical with *d*-leucine. Leaves collected in Aug. contain 31% I and 70% II, those collected in May containing only traces of I. John Livak

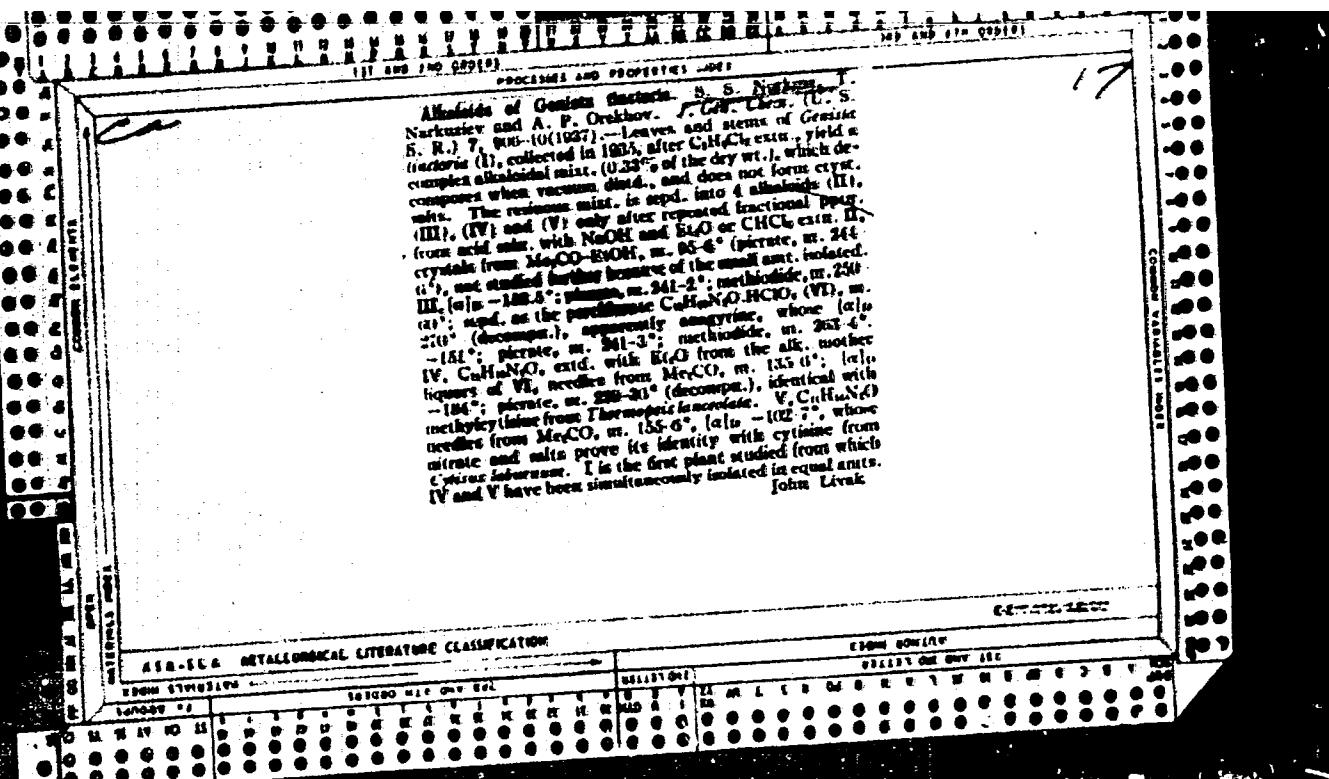
17

450-114 RETAILERS' ESTIMATES OF INVENTORY

卷之三

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0011373





10

Alkaloids of *Aniba* sp. XIII. The specific rotation of anabaine, depending upon the methods of its isolation from the plant, the nature of the solvent and the communication. G.-B. Norkina, T. Narkutsev and A. Ordubayev, *J. Gen. Chem. (U. S. S. R.)* 7, 651-8 (1927); cf. Mon'nikov and Grigorovich, *C. A.* 30, 4171<sup>a</sup>.—Partial racemization of anabaine (I) takes place in the process of its isolation by some methods, and this influences [α].  
By the method of formation of a nitronium deriv., [α]<sub>D</sub><sup>20</sup> of a mixt. of lupinine and I was isolated as I, by 142.3°, [α]<sub>D</sub> = -47.7°. When I is isolated from H<sub>2</sub>SO<sub>4</sub> soln. of the same mixt. by combining it with HgCl<sub>2</sub>, the mixt. shows [α]<sub>D</sub> = -89.0°; when, instead, I is isolated by the same method from a mixt. of alkaloids extd. with dichloroethane, from *Aniba* sp. (yield is 0.8% of the wt. of the plant) and [α]<sub>D</sub> = -81.8°. In AcOH I has [α]<sub>D</sub> = -75.26°; in CHCl<sub>3</sub> it is -38.1° and is lowered with decrease in concn of I. The cause is likely the action of I on C<sub>6</sub>H<sub>5</sub>.

L. G. Rudneva

450-114-0 CRYSTALLINE LITERATURE CLASSIFICATION

NORKINA, S.S. i PAKHARIEVA, N.A.

28311

Oriyentirovchnoye obsljedyo vaniye rastyeniy vologodskoy na sodyerzhaniye  
alkaloidov. Uchyan, Zapiski (Vologod, Pyed. In-T Im Molotova). T.V. 1948  
S. 209-23-Bibliogr: 9Nazv.

SO. LETOPIS NO. 34

CA

Alkaloids of *Thallisium simplex*. S. S. Norkina and  
N. A. Pakhareva (V. M. Motov Pedagog. Inst., Volgograd).  
*Zhur. Otschchet Khim.* (J. Gen. Chem.) 20, 1720-1 (1950).—  
Rate. of leaves of *Thallisium simplex* collected near Volgograd  
showed the presence of alkaloids in all parts of the plant,  
largely in the leaves and roots. The leaves contain as much  
as 0.29% total alkaloids, which after repeated crystal.  
yield a base,  $C_{17}H_{24}N_2$ , m. 170°, named *thalicrinine*.  
The substance, sol. in  $\text{CHCl}_3$ , poorly in  $\text{H}_2\text{O}$ , sol. in warm  
 $\text{KOH}$  and  $\text{Me}_2\text{CO}$ , has  $[\alpha]_D -80.8^\circ$  ( $\text{CHCl}_3$ ).  
G. M. Kosolapoff

CA

17

Alkaloids of Thalictrum simplex. S. S. Narkina and N. A. Pahareva (V. M. Molotov Pedagogical Inst., Volgodonsk). *J. Gen. Chem. U.S.S.R.* 20, 1778-80 (1950) (Engl. translation).—See C.A. 45, 1306c. R. M. S.

NORKINA, S.S., kandidat khimicheskikh nauk (gorod Vologda).

Delineation of the subject of organic chemistry in secondary schools.  
Khim.v shkole no.6:63-66 K-D '53. (MLRA 6:11)  
(Chemistry, Organic--Study and teaching)

NORKINA, S.S. (g.Moskva)

Chemistry of alkaloids. Khim, v shkole 12 no.2:13-22 Kr-Ap '57.  
(MIRA 10:3)  
(Alkaloids)

NORKINA, T. Ye.

From 14 to 18. Zdorov'e 9 no.4:16 Ap'63.  
(YOUTH--EMPLOYMENT)

(MIRA 16:7)

ASEYEV, Georgiy Mikhaylovich; NORKINA, Taisiya Yefimovna;  
FLEROVSKIY, Ievgeniy Alekseyevich; MARUSOVA, I.Ya., red.;  
SHPEKTOROVA, Ye.I., tekhn. red.

[Physical culture is the enemy of diseases] Fizkul'tura -  
vrag boleznei. Moskva, Izd-vo "Fizkul'tura i sport," 1963.  
44 p. (MIRA 16:7)

(SPORTS MEDICINE)

GOL'DSHTEYN, M.I., prof.; NORKINA, U.Z.

Results of the treatment of thyrotoxicosis with I-131 using  
an abbreviated fractional method. Kaz.med. zhur. no.5:46-48  
S-0'63 (MIRA 16:12)

1. Kafedra rentgenologii i radiologii (zav. - prof. M.I.  
Gol'dshteyn) Kazanskogo meditsinskogo instituta.

NORKINA, Z. A.

Junior Scientific Coworker, Omsk Scientific Research Veterinary Institute.  
"Preparation and utilization of *B. suis* bacteriophage in paratyphoid  
of calves."  
SO: BACTERIOPHAGIA IN VETERINARY PRACTICE, Proceedings of the Veterinary Section  
of the Academy, p. 65, Moscow, 1947. Trans. 191, by L. Lulich, Uncl.

NORKINA, Z. A.

32653. Fagoterapiya i fagoprofilaktika paratifa merosyat. Sbornik nauch.  
Robot omsrogo nauch - issled. vet. in-ta, vyp. 3, 1949, s. 3 - 28. - Bibliogr:  
s. 25 - 28

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

MORKINA, S. A.

32652. Fagodiagnostika paratifa telyat i porosyat v praktike veterinarno -  
bakteriologicheskoy laboratorii. Sbornik nauch. Rabot omskogo nauch.-  
issled. Vet. In ta. vyp. 3. 1949, s. 29-32. - Bibliogr: 11 NAZV.

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

MORKINA, Z. A.

32753. Sokhranymosat' titra suipestifer-bakteriofaga pri ego khranenii, stornik  
nauch. Rabot omskogo nauch.-issled. Vet. in-ta, vyp. 3, 1949, s. 33-36.—  
bibliogr: 5 naev.

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moscow, 1949

TOKINA, Z.A.

Omsk Interdistrict Veterinary Bacteriological Laboratory.  
Veterinaria 32 no.1:10-14 Ja '55. (MIA 8:2)  
(OMSK--VETERINARY LABORATORIES)

COUNTRY : USSR  
CATEGORY : Diseases of Farm Animals. Diseases Caused by  
              Bacteria and Fungi.  
ABS. JOUR. : RZhBiol., No. 6 1959, No. 25971  
  
AUTHOR : Norkina, Z.A.  
INST. : Siberian Scientific Research Veterinary Institute  
TITLE : Epizootological Effectiveness of Vaccination of  
              Farm Animals against Brucellosis. Report 1.  
              Effectiveness of Vaccines from Strains Nos.19  
              and 66 in Cattle during the First Year after  
              Inoculation.  
ORIG. PUB. : Byul. nauchn.-tekhn. inform. Sibirsk. n.-i. vet.  
ABSTRACT : in-t, 1958, No.3, 3-7  
              the inoculations against brucellosis with vac-  
              cine from strain No.19 of 147,000, and with  
              vaccine from strain No.66, of 25,000 heads of  
              cattle, in severe epizootological environment  
              and under unsatisfactory management conditions,  
              contributed to the arrest of brucellosis of

CARD:

1/2

6

USSR/Microbiology - Microbes Pathogenic for Man and Animals.  
Brucellae

F

Abs Jour : Ref Zhur Biol., № 22, 1958, 99428  
Author : Norkina, Z.A.  
Inst : Siberian Scientific Research Veterinary Institute  
Title : Study of the Brucellosis Reaction of Agglutination as  
Modified by the Veterinary Physician A.G. Korol.  
Orig Pub : Byul. nauchno-tekhn. inform. Sibirek. n.-i. vet. in-t,  
1958, № 3, 19-20  
  
Abstract : No abstract.

Card 1/1

(A) E 00505-66

ACCESSION NR: AP5020409

PO/0069/85/041/007/0533/0539

AUTHOR: Norkowski, Stefan (Major, Doctor of veterinary medicine)

TITLE: Investigation of the possibility of detecting viral infection in meat and meat products

SOURCE: Lekarz wojskowy, v. 41, no. 7, 1965, 533-539

TOPIC TAGS: food sanitation, virus, virology

ABSTRACT: The paper describes an experimental investigation of means for detecting viral infection in beef, pork, sausage in intestinal casing and sausage in synthetic casing. The samples were placed inside a 369-liter metal chamber. A viral aerosol was introduced into the chamber by air jet. As the model virus, a mesogenic Roakin strain of fowl plague was used ( $LD_{50}=10^{-9.74}/ml$ , Ha 1:640). The aerosol was produced by pumping air through a dust removing filter, manometer, and a rheometer into a calibrated atomizer inside the chamber. The air pressure behind the pump compressor was 180 mm Hg and the flow rate was 6 liters/min. The atomizer was producing particles from 0.88 to 15.52  $\mu$ m in size, with 64% of the particles being within the range 0.9 - 5.4. The duration of infecting was 20 min. Ten-day old chick embryos from hens previously immunized against fowl plague were inoculated by the allantoic rout using 0.1 ml of diluted tested

Card 1/3

L 00505-66

ACCESSION NR: AP5020409

material. The procedure of hemagglutination and the processing of the meat samples after exposure to virus aerosol are described. The samples were taken directly after infection and also after the material was kept under refrigeration for 24 and 48 hours. The results obtained are summarized in Table I of the Enclosure. The investigation shows that the detectability of viral infection of meat and meat products by fowl plague virus used as aerosol after 20 minutes exposure is good. Keeping the infected material for 48 hours under refrigeration before testing does not affect the detectability of virus infection except in the case of sausages in synthetic casing. Orig. art. has: 5 tables.

ASSOCIATION: Osrodek Badawczy Sluzby Weterynaryjnej (Research Center, Veterinary Service) *JK*

SUBMITTED: 20May64

ENCL: 01

SUB CODE: LS, GO

NO REF SOV: 000

OTHER: 003

*JW*  
Card 2/3

L 00505-66

ACCESSION NR: AP5020409

ENCLOSURE: 01

Table 1 Compiled data of LD<sub>50</sub> in chick embryos

	Refrigeration		
	0 days	24 hours	48 hours
Pork	10 <sup>-8.34</sup>	10 <sup>-8.24</sup>	10 <sup>-6.74</sup>
Sausage in intestinal casing	10 <sup>-2.8</sup>	10 <sup>-3.71</sup>	10 <sup>-3.74</sup>
Sausage in synthetic casing	10 <sup>-4.8</sup>	10 <sup>-3.74</sup>	10 <sup>-3.4</sup>

Statistically significant difference applies only to sausage in synthetic casing; column 1 and 3 ( $10^{-4.5}$ - $10^{-2.5}$ ).

Card 3/3

NORKUNAS, P. I., Cand Med Sci -- (diss) "Alloplastic of ~~the~~ defects  
of the skull by ~~organic~~ glass - plexiglass". Vil'nyus, 1956. 15 ~~to~~ 20 cm.  
(Min of Higher Education USSR. Vil'nyus State Inst im Kapsukas. X  
Med faculty, Chair of Hospital Surgery). 100 copies. (KL, 10-57, 104)

- 26 -

MORKUNAS, P.I., kand.med.nauk; MARTSINKEVICHUS, A.M., kand.med.nauk

Case of resection of the inferior vena cava. Vest.khir. no.1:140  
'62. (MIRA 15:1)

1. Iz Nauchno-issledovatel'skogo instituta onkologii (dir. -  
kand.med.nauk A. Telichenas) Litovskoy SSR i kafedry obshchey khi-  
rurgii (zav. - dotsent A.M. Martsinkovichus) Vil'nyusskogo  
universiteta im. V. Kapeukasa.  
(VENA CAVA—SURGERY)

NORKUNAS, P. I. Doc Med Sci -- (diss) "Data on the pathogenesis and treatment of ulcers of the stomach and duodenum." Len, 1957. 25 pp 21 cm. (Acad Sci USSR.  
Inst of Physiology im I. P. Pavlov), 100 copies. (KL, 15-57, 107)

NORKUNAS, P. I.

"Material Concerning the Pathogenesis in the Treatment of Gastric and  
Duodenal Ulcers."

dissertation defended for the degree of Doctor of Biological Sciences at the  
Inst. for Physiology im I. P. Pavlov.

Defense of Dissertation (Jan-Jul 1957)  
Sect. of Biological Sciences  
Vest. AN SSSR, 1957, v. 27, No. 12, pp. 118-120

S/058/62/000/005/041/160  
A058/A101

AUTHORS: Misiunas, A., Norkunas, V.

TITLE: Effect of temperature on the collision broadening of the Cd resonance line at 3261 Å, due to hydrogen pressure

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 11, abstract 4V69  
(Temperaturos itaka vandenilio slegiminiam Cd rezonansines linijos  
3261 Å isplitimai. "Vilniaus univ. Mokslo darbai. Matem., fiz.,  
Uch. zap. Vilniyussk. un-t. Matem., fiz.", 1960, v. 33, no. 9,  
135 - 138, Lith.; Russian and English summaries)

TEXT: The authors investigated the effect of increase in temperature on the width, the shift of the maximum and the asymmetry of the Cd resonance line at 3261 Å broadened by hydrogen. The concentration of Cd vapors was equal to  $2.17 \cdot 10^{16}$  atom/cm<sup>3</sup>, and the hydrogen pressure at room temperature was 1/2 atm. By the total absorption method it was established that the half-width of the Cd resonance line at 3261 Å, broadened by hydrogen, increases by  $(28 \pm 12)\%$  with increase in temperature from 803° to 1,253°K and the maximum of intensity is shifted to the long-wavelength side by  $(0.10 \pm 0.06)$  Å, while the asymmetry almost

Card 1/2

Effect of temperature on the collision ...

S/058/62/000/004/041/160  
A058/A101 .

does not change. The obtained results cannot be entirely explained by collision theories.

[Abstracter's note: Complete translation]

Card 2/2

NORKUS, B.N.

Repair service in the plant. Stroi. mat. 10 no.5:20-22  
Mys '64. (MIRA 17:9)

1. Glavnnyy mekhanik Sebryakovskogo tsementnogo zavoda  
imeni P.A. Yudina.

MIKOL'SKIY, Yu.N., dotsent; NORKUS, B.N., inzh.

Device for calculating the temperature increases of the diameters  
of the tires. TSegment 30 no.6:15 N-D '64.

(MIRA 18:1)

1. L'vovskiy politekhnicheskiy institut i Sebryakovskiy tsementnyy  
zavod.

NORKUS,E., asp.

Remote results of hemigastrectomy with and without vagotomy.  
Sveik. apsaug. 8 no.9:15-20 S'63.

1. Vilniaus Valst. V.Kapsuko v. universiteto Medicinos fakulteto hospitalines chirurgijos katedra. Katedros vedejas ir mokslinis vadovas - prof. Pr. Norkunas.

\*

MURKUS, P. A.

Category: USSR / Physical Chemistry - Kinetics. Combustion.  
Explosives. Topochemistry. Catalysis.

B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30060

Author : Prokopchik Yu. A., Norkus P. K., Lunetskass A. M.  
Inst : Academy of Sciences Lithuanian SSR  
Title : Dependence of the Catalytic Activity of Some Hydroxide Catalysts  
on the Method of Their Preparation.

Orig Pub: Liet. TSR mokslu Akad. darbai, Tr. AN LitSSR, 1956, 5B, 57-66

Abstract: Study of the dependence of catalytic properties of hydroxides and their mixtures, which have been previously described (see preceding abstract), on the method of their precipitation. It was found that high activity is exhibited by the hydroxides I, II, III (for denotation see preceding abstract) precipitated with a solution of Cd(OH)<sub>2</sub> in the presence of Ca(ClO)<sub>2</sub>, while the lowest activity is displayed by those precipitated with only a solution of Ca(OH)<sub>2</sub>, which the authors attribute to the blocking of a portion of the surface by stable OH ions. In the case of the hydroxides of Cu the opposite dependence

Card : 1/2

-25-

Category: USSR / Physical Chemistry - Kinetics. Combustion.  
Explosives. Topochemistry. Catalysis.

B-9

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 30060

of activity upon precipitation method is observed. Value of the energy of activation of the reaction, which varies in the case of I-IV from 16400 to 21000 cal/mole, is at a minimum in the case of least active catalysts. The activity of mixed catalysts, prepared by consecutive precipitation (II + IV; I + III), exceeds the summa-tive activity of individual components, but is considerably below the activity of catalysts, of the same chemical composition, pre-pared by means of a conjoint precipitation. The above-stated non-additivity is due, in the opinion of the authors, to a higher degree of dispersion of the precipitates formed on consecutive precipitation. In the case of (I + III) highest activity and minimum energy of acti-vation are observed with a ratio I : III = 85 : 15. In a number of instances the catalytic properties depend on the sequence of intro-duction of the individual components into the mixture under study.

Card : 2/2

-25-

NORKUS, P.K.

PROKOPCHIK, A.Yu.; NORKUS, P.K.; LUNETSKAS, A.M.

Mixed hydroxide catalysts. Part 1: Two-component hydroxide catalysts in the decomposition of calcium hypochlorite (with summary in English). Zhur.fiz.khim.31 no.7:1547-1554 Jl '57.  
(MIREA 10:12)

1. AN Litovskoy SSR, Institut khimii i khimicheskoy tekhnologii,  
Vil'nyus.

(Catalyst) (Calcium hypochlorite)

PROKOPCHIK, A.YU.; NORKUS, P.K.; LUNETSKAS, A.M.

Mixed hydroxide catalysts. Part 2: Effect of admixtures on the catalytic activity of binary hydroxide catalysts for the decomposition of calcium hypochlorite [with summary in English]. Zhur. fiz. khim. 31 no.9:2093-2101 S '57. (MIRA 11:1)

1. Akademiya nauk Litovskoy SSR, Institut khimii i khimicheskoy tekhnologii, Vil'nyus.  
(Hydroxides) (Catalysis) (Calcium Hypochlorite)

NORKUS, P.K., Cand Chem Sci--(diss) "Properties of mixed catalysts prepared on the basis of hydroxides, nickel and iron in the reaction of ~~the~~ hypochlorite ~~to~~ calcium decomposition. Vil'nyus, 1953. 20 pp (Min of Higher Education USSR. Vil'nyus State U i: V. Kukas), 100 copies (KL,25-58, 108)

-36-

NORKUS, P.

SCIENCE

PERIODICAL: DARBIAI. SERIJA B. TRUDY. SERIIA B. No. 2, 1958

Norkus, P. Mixed hydroxide catalysts. 3. The dependence of the catalytic activity of some aging hydroxides on the conditions of their sedimentation. In Russina. p. 61.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,  
February 1959, Unclass.

5(4)

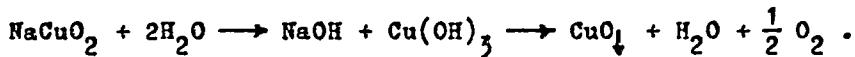
SOV/78-4-6-24/44

AUTHORS: Prokopchik, A. Yu., Norkus, P. K.

TITLE: On Some Compounds of Trivalent Copper (O nekotorykh soyedineniyakh trekhvalentnoy medi)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6, pp 1359-1361  
(USSR)

ABSTRACT: The syntheses of barium cuprate -  $Ba(CuO_2)_2 \cdot xH_2O$  and  $Ca(CuO_2)_2 \cdot xH_2O$  were carried out. A complete oxidation of trivalent copper already takes place in 0.25 mol NaOH solution. A catalytic decomposition of the oxidizing agent (hypochlorite) occurs in considerably alkaline solutions. The decomposition of calcium cuprate proceeds in considerably alkaline solution according to the following reaction:



A method for the determination of the degree of oxidation of copper in a reaction mixture was described. The oxidized product is diluted with 10 ml KJ solution of 10% and 5 ml

Card 1/2

On Some Compounds of Trivalent Copper

SOV/78-4-6-24/44

2 mol  $H_2SO_4$  or HCl and well mixed until it is completely solved. The separated iodine is titrated with 0.04 n  $Na_2S_2O_3$ . The production of a cuprate of strontium failed. So did an attempt to produce copper(III)-hydroxide by oxidation with hypochlorite in an alkaline medium. There are 5 references.

ASSOCIATION: Institut khimii i khimicheskoy tekhnologii Akademii nauk Litovskoy SSR  
(Institute of Chemistry and Chemical Technology of the Academy of Sciences of the Lithuanian SSR)

SUBMITTED: March 25, 1958

Card 2/2

NORKUS, P.K.; PROKOPCHIK, A.Yu.

Catalytic decomposition of chlorites. Liet ak darbai B no.3:43-52  
'60. (EEAI 10:3)

1. Institut khimii i khimicheskoy tekhnologii Akademii nauk  
Litovskoy SSR.  
(Chlorites) (Catalysis)

NORKUS, P.K.

Using an  $\text{CeO}_4$  catalyst in arsenitometry. Report No.1.  
Potentiometric determination of chlorites in an alkaline  
medium. Liet ak darbai B no.4:151-159 '61.

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy  
SSR.

NORKUS, P.K.

Using an  $\text{OsO}_4$  catalyst in arsenitometry. Report No.2.  
Determining hypochlorites, chlorites and chlorates from  
one sample. Liet ak darbai B no.4:161-169 '61.

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy  
SSR.

NORKUS, P.K.; PROKOPCHIK, A. Yu.

Determination of hypochlorites, chlorites, and chlorates present simultaneously by means of arsenite using  $\text{OsO}_4$  as a catalyst.  
Zhur.anal.khim. 16 no.3:323-326 My-Je '61. (MIRA 14:6)

1. Institute of Chemistry and Chemical Technology, Academy of Sciences of the Lithuanian S. S. R., Vilnius.

{  
Hypochlorites  
(Chlorites)  
(Chlorates)

NORKUS, P.K.; VAL'SYUNENE, Ya.I. [Valsiuniene, J.]

Use of the  $\text{OsO}_4$  catalyst in arsenitometry. Part 3: Determination  
of chlorite and hydrogen peroxide. Trudy AN Lit. SSR. Ser. B no.2:  
37-43 '62. (MIRA 18:?)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

NORKUS, P.K.

Use of  $\text{ZnO}$  as a catalyst in arsenicometry. Report No. 4: Determination of chlorite, or "active chlorine," and aldehyde. Trudy AN Lit. SSR. Ser. B no.2:65-74 '63. (MIRA 17:10)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

NORKUS, P.K.

Potentiometric determination of formaldehyde and benzaldehyde  
with hypochlorite. Zhur. anal. khim. 18 no.5:650-653 My'63.  
(MIRA 17:2)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy  
SSR, Vil'nyus.

MORKUS, P.K.

Simultaneous determination of hypochlorite and chloramine T  
or chloramine B. Zhur.anal.khim. 18 no.7:884-887 Jl '63.

(MIRA 16:11)

L. Institute of Chemistry and Chemical Technology, Academy of  
Sciences, Lithuanian S.S.R., Vilnius.

NORKUS, P.K.; TSARANKUTE, S.P. [Carankute, S.]

Use of the  $\text{OsO}_4$  as a catalyst in arsenitometry. Report no. 5:  
Determination of sodium chlorite and some iodine compounds.  
Trudy AN Lit. SSR. Ser. B. no. 1:151-158 '64 (MIRA 17:7)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

NORKUS, P.K.; VAL'SYUNENE, Ya. I. [Valsiunene, J.]

Use of  $\text{CuO}_2$  as a catalyst in arsenitometry. Report No.6:  
Determination of hydrogen peroxide and sodium chlorite.  
Trudy AN Lit. SSR. Ser. B no.1:159-162 '64 (MIRA 17-7)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy  
SSR.

NORKUS, P.K.; TSARANKUTE, S.P. [Carankute, S.]

Use of  $\text{OsO}_4$  catalyst in arsenitometry. Part 7: Determination  
of chlorite, hypochlorite, chlorine dioxide, and formaldehyde.  
Trudy AN Lit. SSR. Ser. B no.2:51-55 '64.

(MIRA 18:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

NORKUS, P.K.; GAL'DIKENE, O.K. [Galdikiene, O.]

Determination of boric acid in nickel plating electrolytes.  
Trudy AN Lit. SSR. Ser. B. no. 4:3-6 '65 (MIRA 19:2)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy  
SSR. Submitted May 15, 1965.

NORKUS, P.K.

Rapid iodometric determination of phosphite in a chemical  
nickel plating bath. Trudy AN Lit. SSR. Ser. B. no. 4:  
121-124 '65 (MIRA 19:2)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.  
Submitted July 5, 1965.

NORKUS, P.K.

The use of  $\text{Q}_3\text{O}_4$  as a catalyst in titrimetry. Part 2: Potentiometric determination of iodate in an alkaline medium. Zhur. anal. khim. 20 no.1 88-91 '65. (MIRA 18:3)

L. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR,  
Vil'nyus.

KORRUS, P.K.; LIKYATSEIS, A.M. [Luneckas, A.]; KASANAKUTE, S.P. [Carankute, S.]

Rapid iodometric determination of phosphate. Zhur. anal. Khim.  
20 no.6:753-755 '65. (ZETP 18:7)

1. Institut khimii i khimicheskoy tekhnologii AN litovskoy SSR,  
Vil'nyus.